

AMENDMENTS TO THE CLAIMS

Kindly amend the Claims, without prejudice, as shown below in the listing of claims. The listing of claims, shown below, will replace all prior versions, and listings, of claims in the instant Application:

Listing of Claims:

1 – 16. (Canceled).

17. (Currently amended) A polypropylene, suitable for forming a blown film, the polypropylene comprising: a polypropylene copolymer containing less than 2% by weight units derived from ethylene and having a M_w/M_n of less than 6.0, a melt flow rate of greater than 5 g/10 min, less than 3% xylene solubles, a pentad isotacticity of greater than 91%, an isotactic pentad/triad ratio of greater than 95%, a crystallinity of at least 65%, and a crystallization temperature of at least 127°C, the polypropylene containing from ~~750 ppm to 2500 ppm~~ 500 ppm to 2500 ppm of a nucleator/clarifier additive, wherein said additive is Methylene-bis(4,6-di-ter-butylphenyl) phosphate sodium salt, and wherein a blown film is capable of being manufactured from the polypropylene at a rate of at least 6 lb/hr-in of die circumference and wherein a one mil thick blown film manufactured from the polypropylene using at least a 1.5 blow-up ratio exhibits a 1% secant modulus of at least 150,000 psi according to ASTM D882, a haze of less than 10 as measured by ASTM D1003, and a clarity of greater than 96%.

18. (Currently amended) The polypropylene of Claim 17, wherein the polypropylene copolymer has a M_w/M_n of less than 5.5, less than 2% xylene solubles, a pentad isotacticity of greater than 95%, a isotactic pentad/triad ratio of greater than 98%, a crystallinity of at least 67%, and a crystallization temperature of at least 128°C.

19. (Original) The polypropylene of Claim 18, wherein polypropylene copolymer contains from 0.1 to 0.7 % by weight units derived from ethylene and wherein a one mil thick blown film manufactured from the polypropylene exhibits a 1% secant modulus of at least 165,000 psi according to ASTM D882.

20. (Original) The polypropylene of Claim 18, wherein a one mil thick blown film manufactured from the polypropylene exhibits a 1% secant modulus of at least 180,000 psi according to ASTM D882.

21. (Original) The polypropylene of Claim 18, wherein a one mil thick blown film manufactured from the polypropylene exhibits a 1% secant modulus of at least 200,000 psi according to ASTM D882.

22. (Currently amended) The polypropylene of Claim 17, wherein the one mil thick film manufactured from the polypropylene ~~lays~~ lies flat on the take up roll with no significant wrinkles and has a gauge variation of less than 10%.

23 – 26 . (Canceled).

24. (Canceled).

25. (Canceled).

26. (Canceled).

27. (Currently amended) An air quenched blown film made from the polypropylene of claim 17.

28. (Original) The film of Claim 27, wherein the film comprises a monolayer film.

29. (Currently amended) The film of Claim 27, wherein the film comprises a multi layer, coextruded, blown film, the film being comprised of at least a first and a second layer, the polypropylene of claim 17 being contained in the first layer.

30. (Original) The film of Claim 29, wherein the second layer comprises a thermoplastic.

31. (Original) The film of Claim 29, wherein the second layer comprises an ethylene-based polymer having a majority of monomer units derived from ethylene.

32. (Previously presented) The film of Claim 27, wherein the film is manufactured at a rate of at least 6 lb/hr-inch die circumference using a blow-up ratio of at least 1.5.

33. (Previously presented) The film of Claim 27, wherein the film is manufactured at a rate of at least 8 lb/hr-inch die circumference using a blow-up ratio of at least 1.5.

34. (Original) The film of Claim 32 or 33, wherein the film is manufactured using a blow-up ratio of at least 2.5.

35. (Currently amended) The film of Claim 30, wherein the second layer is comprised of polymers selected from the group consisting of: EVOH, PVDC, ~~Saran~~ polyvinylidene chloride.

EVA, EAA, ~~maleic-maleic~~ anhydride grafted polypropylene or polyethylene, EMA, ethylene-acrylate copolymers, acrylic acid copolymers, and mixtures thereof.

36. (Currently amended) ~~An air quenched blown film process used for making any of the films of Claims 27 through 35. A process for making an air quenched film comprising the steps of:~~

selecting a polypropylene composition comprising:

a polypropylene copolymer containing less than 2% by weight units derived from ethylene and having a M_w/M_n of less than 6.0, a melt flow rate of greater than 5 g/10 min, less than 3% xylene solubles, a pentad isotacticity of greater than 91%, an isotactic pentad/triad ratio of greater than 95%, a crystallinity of at least 65%, and a crystallization temperature of at least 127°C, the polypropylene containing from 750 ppm to 2500 ppm of a nucleator/clarifier additive, wherein said additive is Methylene-bis(4,6-di-ter-butylphenyl) phosphate sodium salt, and wherein a blown film is capable of being manufactured from the polypropylene at a rate of at least 6 lb/hr-in of die circumference and wherein a one mil thick blown film manufactured from the polypropylene using at least a 1.5 blow-up ratio exhibits a 1% secant modulus of at least 150,000 psi according to ASTM D882, a haze of less than 10 as measured by ASTM D1003, and a clarity of greater than 96%

forming said polypropylene composition into an air quenched film.

37. (Currently amended) A polypropylene copolymer composition, suitable for forming an air quenched blown film, the polypropylene copolymer comprising: a polypropylene copolymer having a melt flow rate of greater than 5 g/10 min, less than 2% xylene solubles, a pentad isotacticity of greater than 95%, an isotactic pentad/triad ratio of greater than 95%, a crystallinity of at least 65%, and a crystallization temperature of at least 127°C, the polypropylene composition containing from ~~500~~ 750 ppm to 2500 ppm of a nucleator/clarifier additive, wherein said additive is Methylene-bis(4,6-di-ter-butylphenyl) phosphate sodium salt, wherein an air quenched blown film made from composition when tested at a DSC scan rate of 200°C/minute exhibits a crystallization onset temperature of at least 116°C and a crystallization half-life time of less 4.1 seconds or less.

38. (Currently amended) The polypropylene composition of Claim 37, wherein an air quenched blown film made from the composition when tested at a DSC scan rate of 200°C/minute further exhibits a steepest onset slope of less than -900 Watts/gram-minute.

39. (Currently amended) The polypropylene composition of Claim 37, wherein the film exhibits a crystallization onset temperature of at least 120^{Ab}C.

40. (Original) The polypropylene composition of Claim 37, wherein the film exhibits a crystallization half-life time of 4.0 seconds or less.

41. (Canceled).